Carbon M2 3D Printer

Carbon M2
Tool Type: 3D printer
Location: OASIS 413
Manufacturer: Carbon

Principal Scientist
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About

The Carbon 3D printer is located in Elings Hall 2436.

The Carbon M2 printers is a liquid resin stereolithographic 3D printers capable of producing high resolution accurate models out of a variety of materials. Liquid resin printers use a bath of reactive resin which is precisely cured using specific wavelengths of light. This printer is particularly well suited for thin high aspect ratio features and models requiring great surface accuracy.

Based on the material and application, some prints will benefit from post process UV curing to strengthen and harden the finished part. See part curing documentation in UV oven reference documentation.

Detailed Specifications

Build Volume: 189 x 118 x 326 mm (L x W x H)
X,Y Accuracy: 75 microns
Layer Thickness: 25-100 microns
General Accuracy: up to +/- 70 µm +1 µm per mm dimension size
Production Repeatability: up to +/- 40 µm

Safety Concerns

The resin used in the Carbon 3D printer is considered hazardous. Gloves are to be warn when replacing or removing build plates, build tanks, and resin cartridges. Refer to SDS for disposal and health hazards.

Reference Documentation

Carbon Resin Guide

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